

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-222938  
(43)Date of publication of application : 21.08.1998

(51) Int. Cl. G11B 20/10  
G11B 20/18  
G11B 20/18  
H04N 5/92

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## (30)Priority

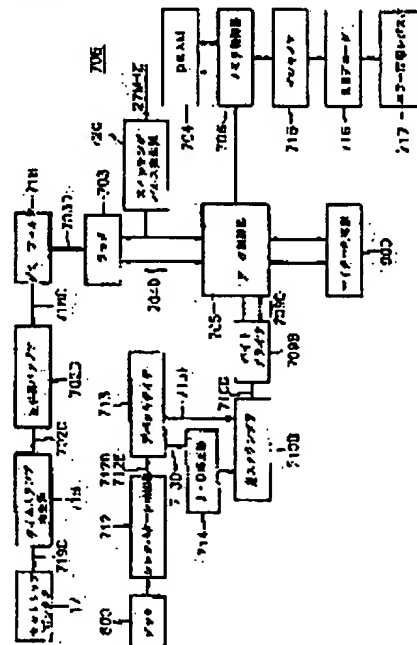
Priority	96 9680869	Priority	31.12.1996	Priority	KR
number :		date :		country :	

## (54) DECODER AND DECODING METHOD FOR D-VHS CODEC SYSTEM

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To reproduce a high quality image and voice by correcting a random or group error generated from a tape using additionally recorded forward error correction (FEC) information in reproducing digital data recorded in a track format.

**SOLUTION:** A sync pattern detector 712 detects the sync data of each track from a bit serial digital data read out from a tape. A depacketizer 713 sorts the ID included in the head of sync block. A DRAM 704 records the data, obtained by descrambling the sync data, sequentially on the relevant track based on an address calculated from the value of ID. An RS decoder 716 performs internal decoding and external decoding sequentially, in units of sync block, for the deshuffled sync block from a deshuffler 715 and provides information of the position and size of error of sync block.



## LEGAL STATUS

[Date of request for examination] 23.05.2002  
[Date of sending the examiner's decision of rejection]  
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]  
[Date of final disposal for

application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

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